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The present invention concerns methods for diagnosis and treatment of diseases or disorders characterized by abnormal cellular signal transduction involving a newly identified region, herein termed the "APB domain." APB domain binding between proteins is believed to play an important role in signal transduction pathways and, thereby, influence cellular events. Thus, APB mediated activity plays a role in signal transduction pathways and agents modulating APB mediated activity can be used to treat diseases or disorders involving proteins containing APB domains.